

QPSK

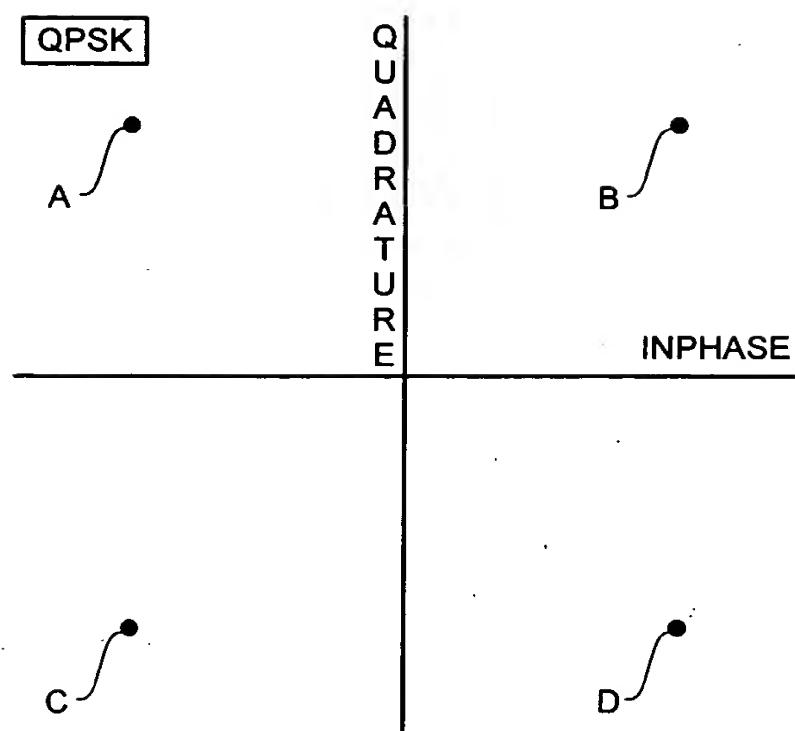


FIG. 1(a)

16QAM

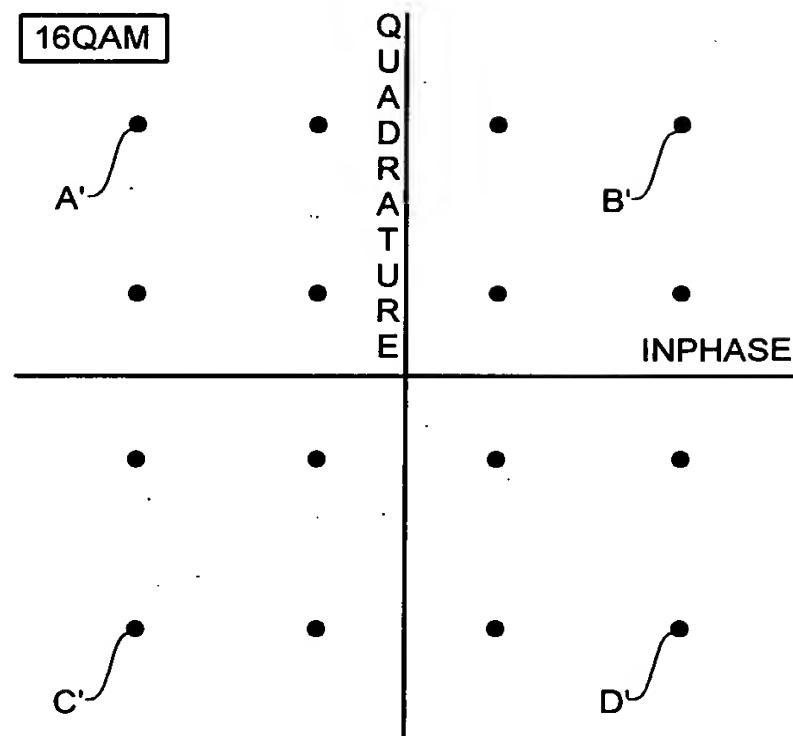


FIG. 1(b)

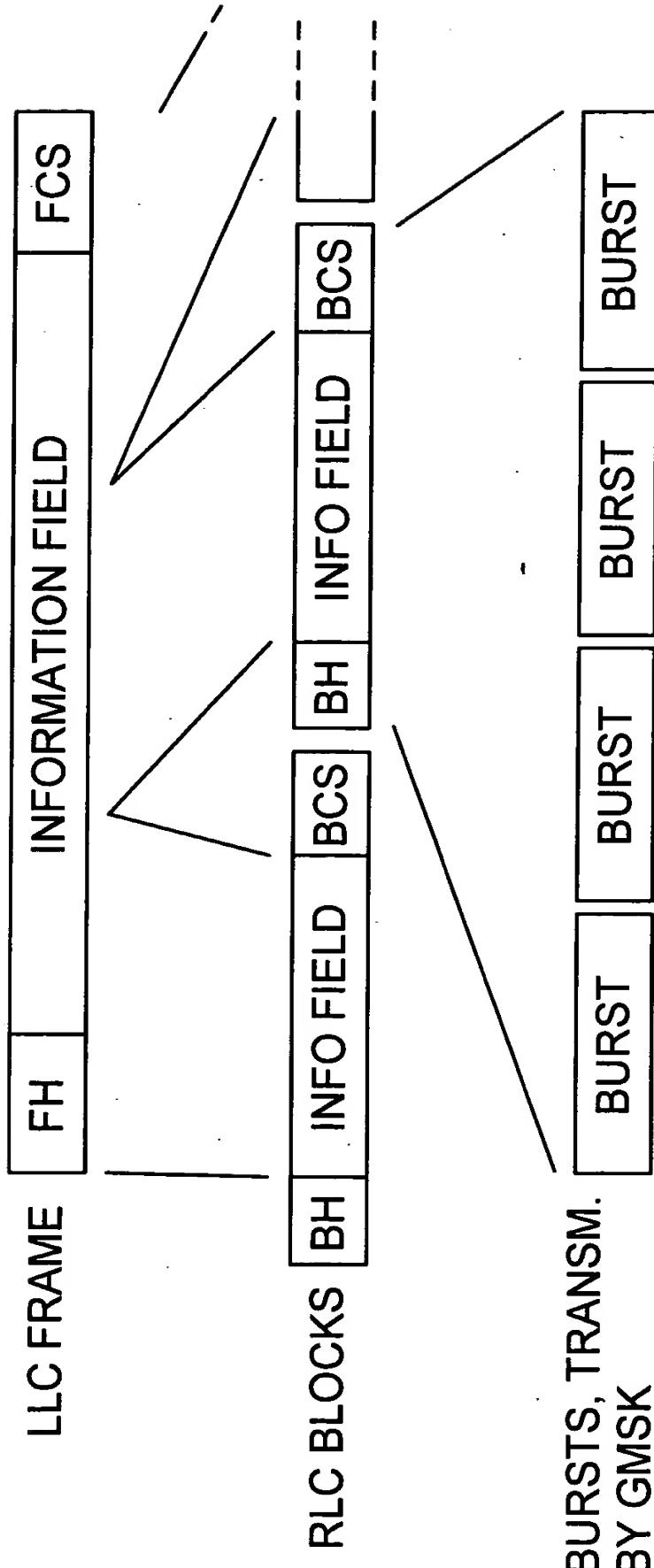


FIG. 2

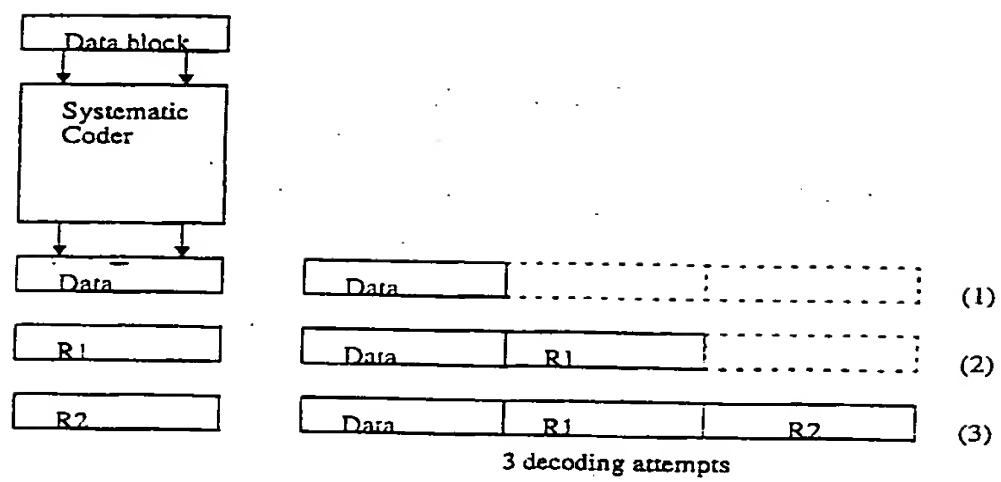


FIG. 3

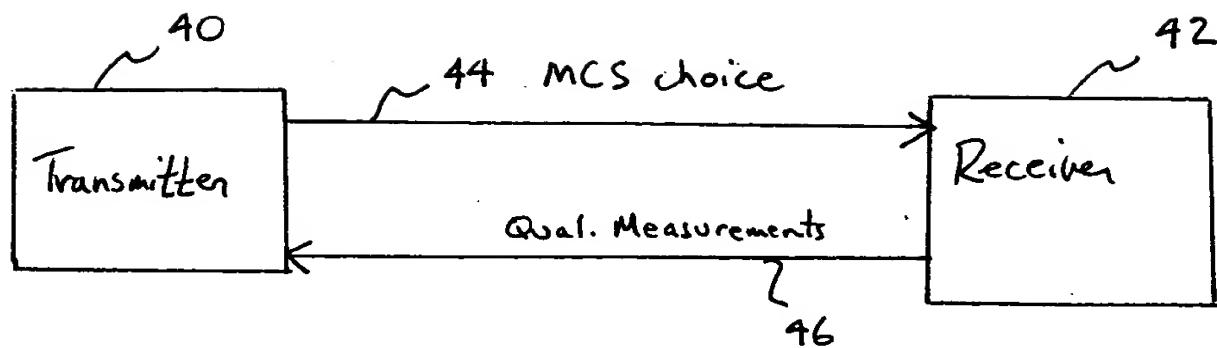


FIG. 4(a) (Prior Art)

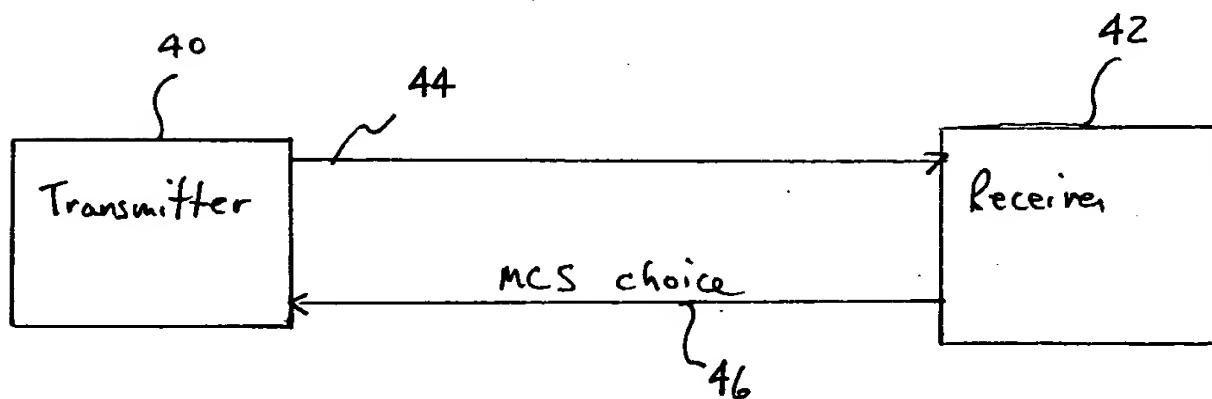


FIG. 4(b) (Prior Art)

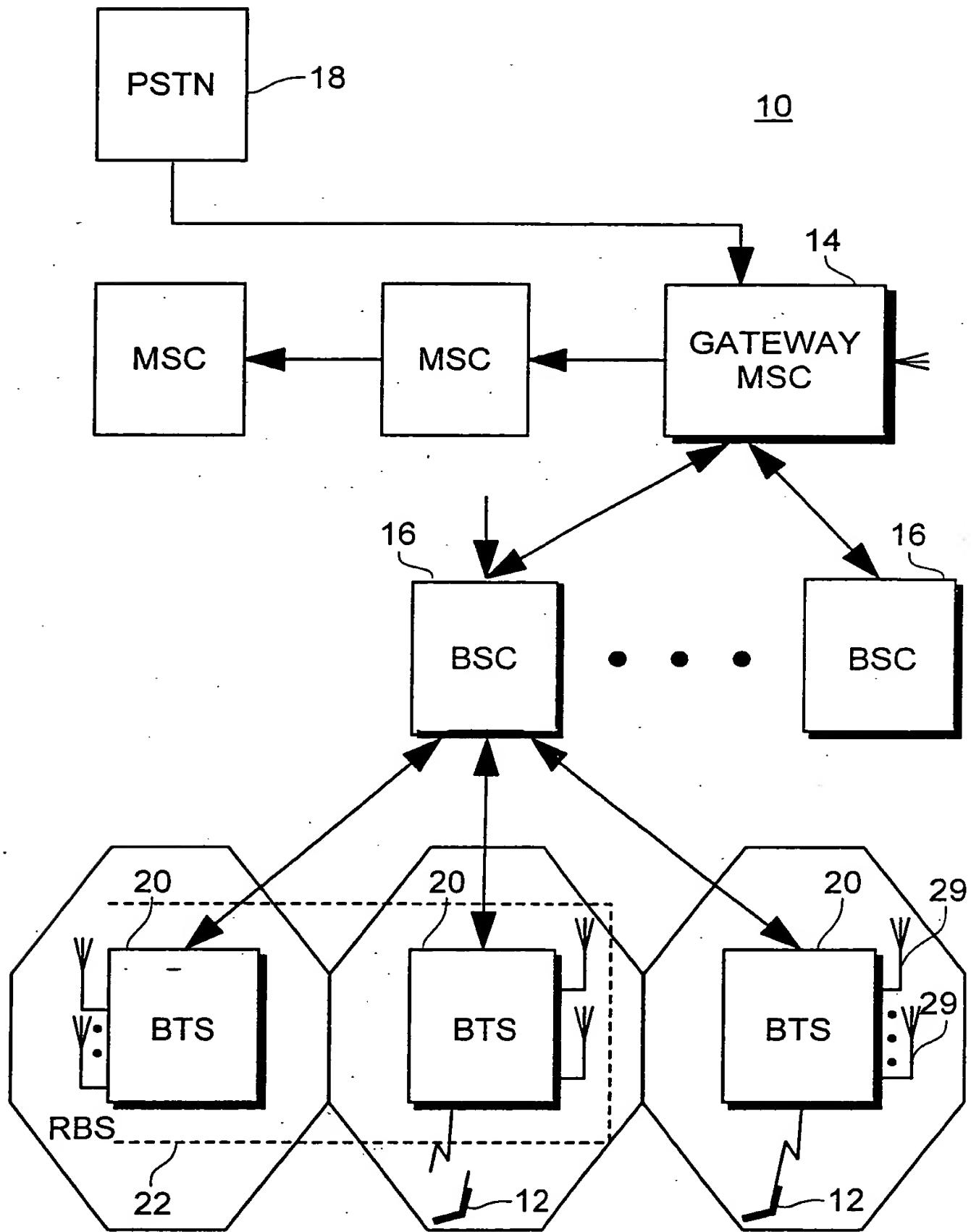
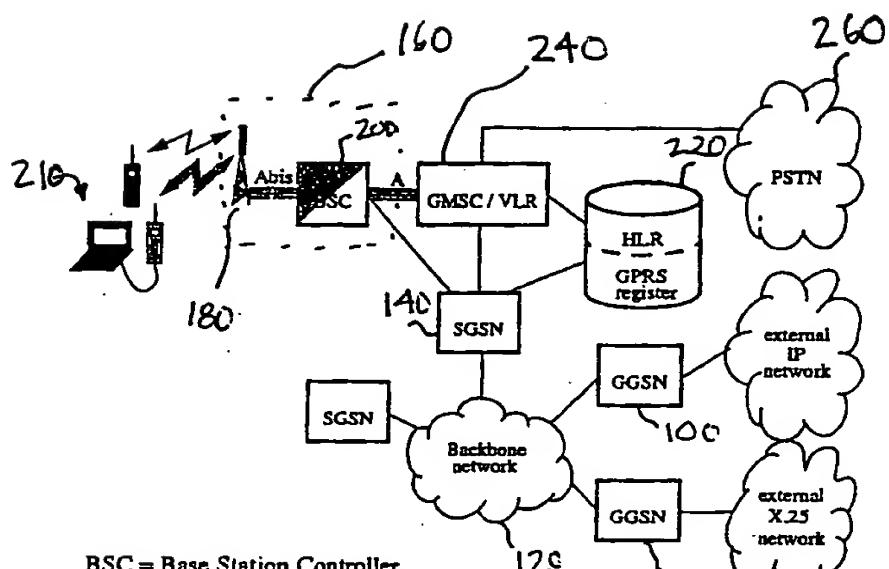


FIG. 5(a)



BSC = Base Station Controller
 GMSC = Gateway Mobile Switching Centre
 VLR = Visitor Location Register
 HLR = Home Location Register
 SGSN = Serving GPRS Support Node
 GGSN = Gateway GPRS Support Node

FIG. 5(b)

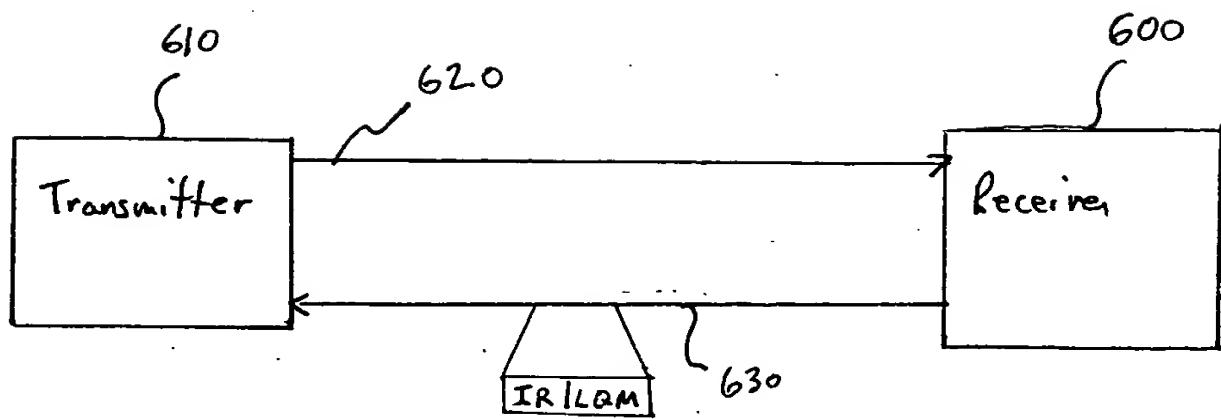


FIG. 6 (a)

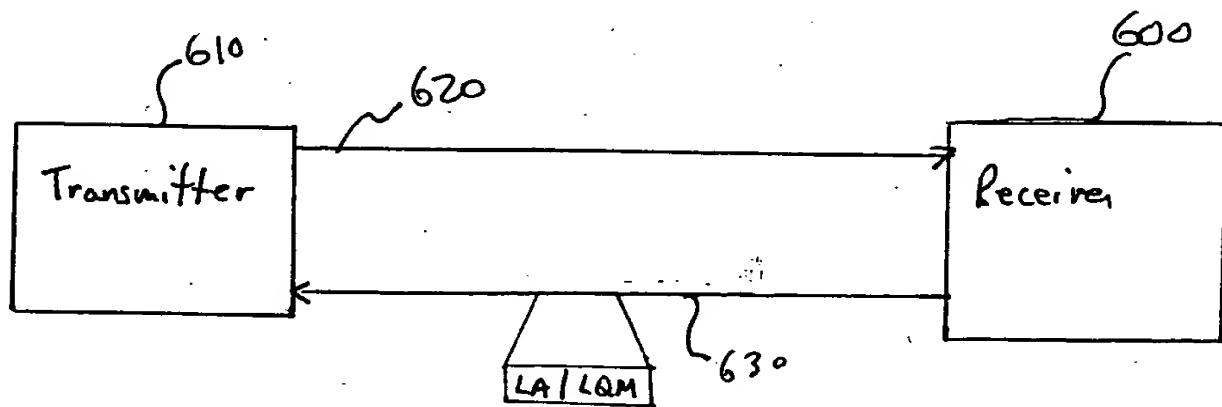


FIG. 6 (b)

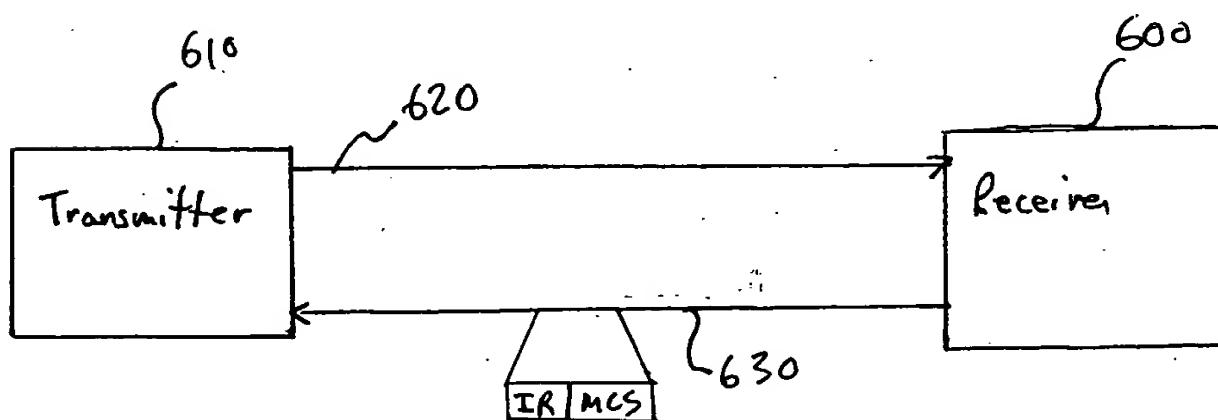


FIG. 6 (c)

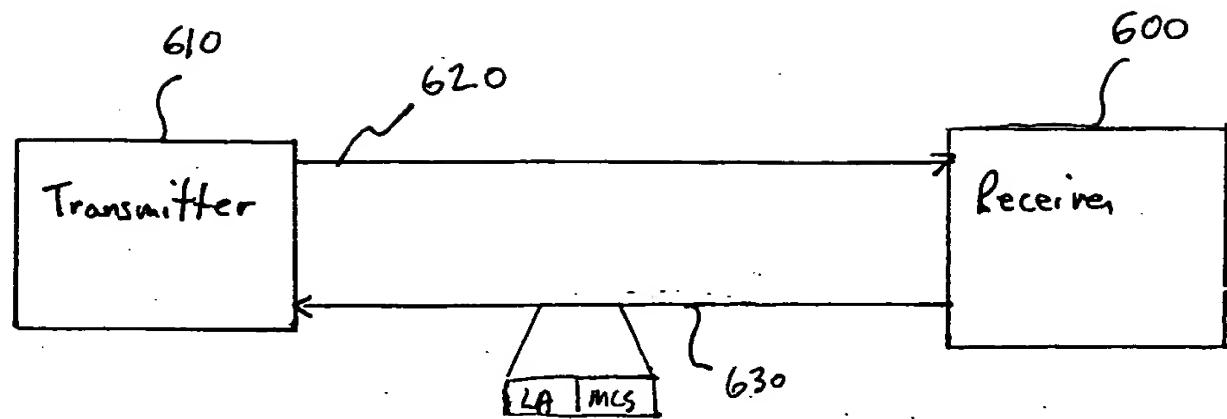


FIG. 6 (d)

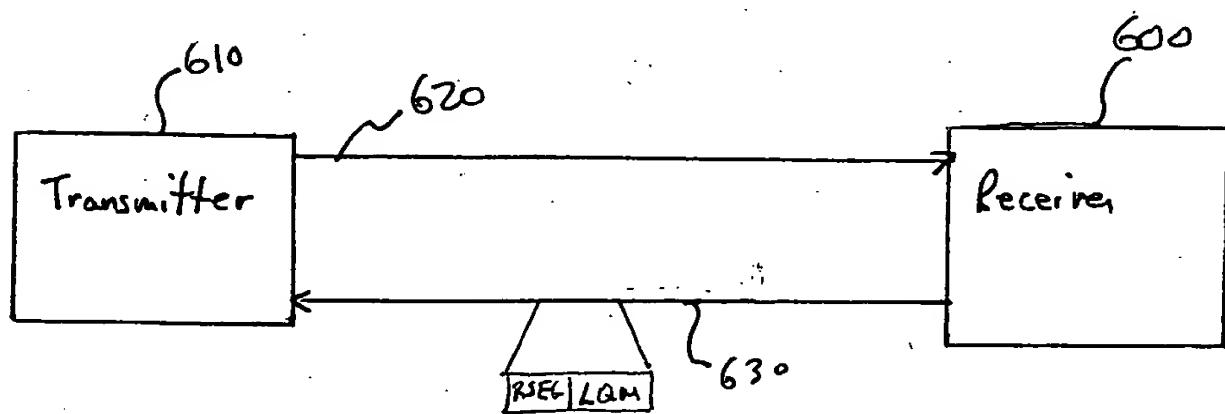


FIG. 6 (e)

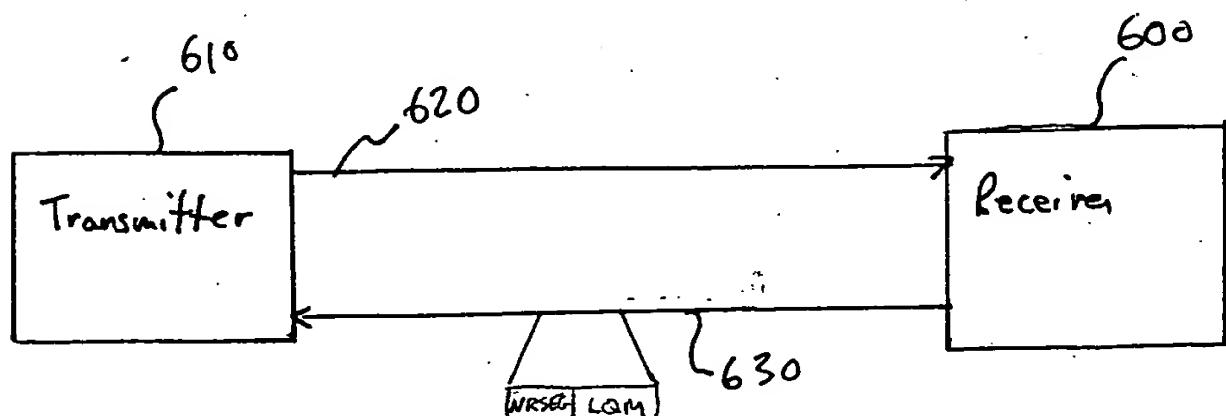


FIG. 6 (f)

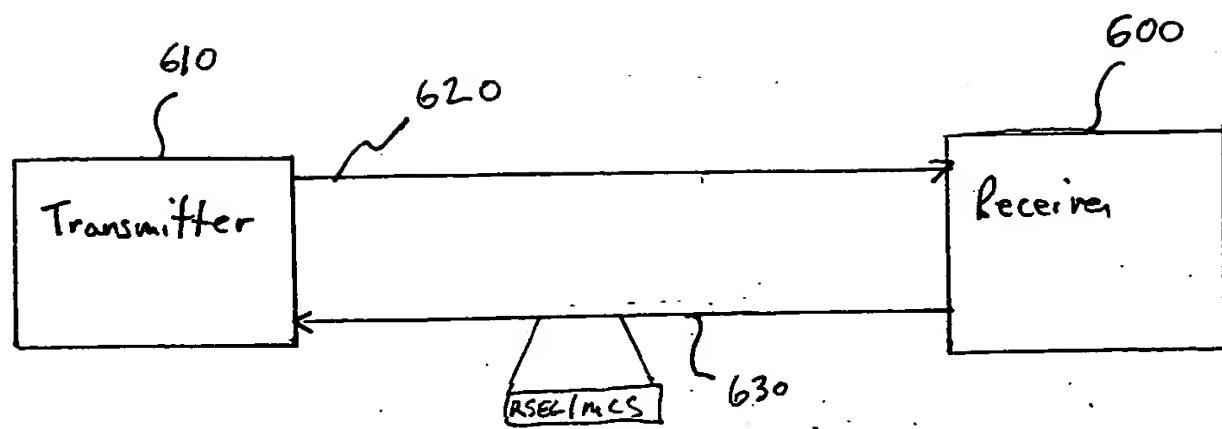


FIG. 6 (g)

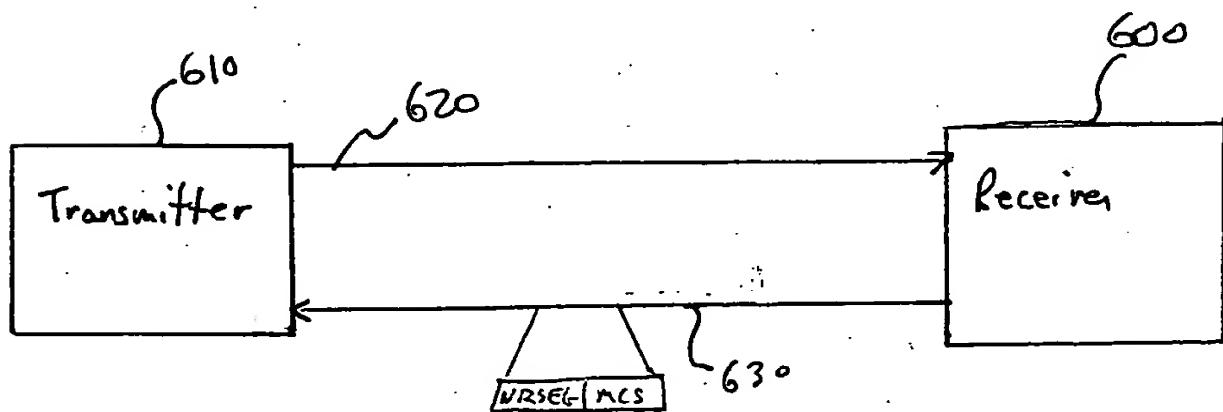


FIG. 6 (h)

MCS of initial transmission of a block	Possible MCS of retransmissions of that block
MCS-8 (family A)	MCS-8, MCS-6, MCS-3
MCS-7 (family B)	MCS-7, MCS-5, MCS-2
MCS-6 (family A)	MCS-8, MCS-6, MCS-3
MCS-5 (family B)	MCS-7, MCS-5, MCS-2
MCS-4 (family C)	MCS-4, MCS-1
MCS-3 (family A)	MCS-3
MCS-2 (family B)	MCS-2
MCS-1 (family C)	MCS-1

FIG. 7

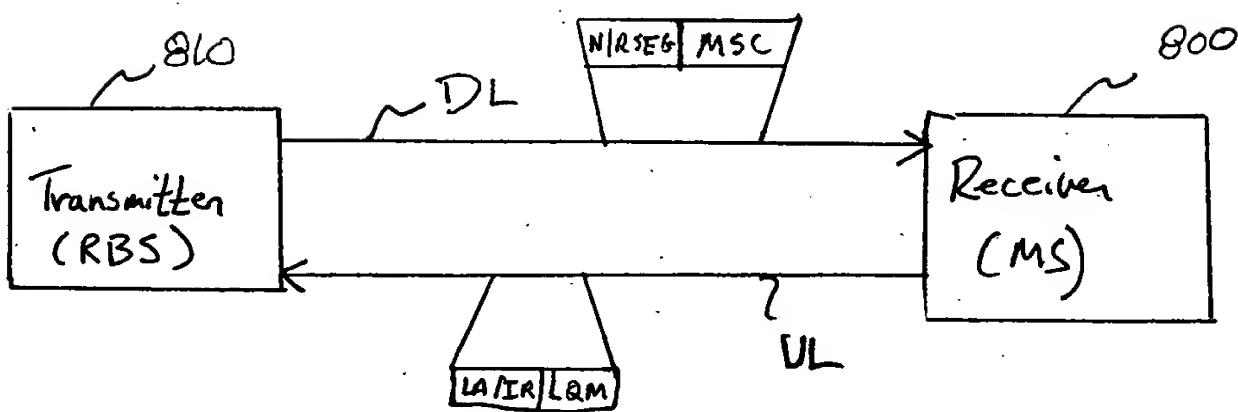


FIG. 8